IN THE CLAIMS

The following claim set replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) A winding assembly for a rotor comprising:

at least one rotor field windingarranged on a periphery of the rotor;

a winding support mounted on the rotor periphery having a slot receiving said at least one winding, wherein said winding support includes at least one edge;

wherein said winding assembly is mountable on said rotor, and said rotor has a rotor slot to receive the edge of the winding support.

2. (Original) A winding assembly as in claim 1 wherein said at least one rotor field winding is a plurality of windings and the winding support has a plurality of teeth and a plurality of slots between said teeth, and further each of said slots receives one of said plurality of windings.

3. (Currently Amended) A winding assembly as in claim 1 wherein said winding support includes at least one spacer, having edges that engage slots on at least one surface of the rotor, and said slots are transverse to a centerline of the rotor, wherein said spacer is thin relative to a length of the rotor.

4. (Original) A winding assembly as in claim 3 wherein said at least one spacer has a quarter-disk shape, and has radial slots to receive said windings.

5. (Original) A winding assembly as in claim 4 wherein each of said plurality of rotor windings has a long side that fits into one of said radial slots of said spacer.

6. (Allowed) A winding assembly for a rotor comprising:

at least one rotor field winding arranged on a periphery of the rotor;

a winding support mounted on the rotor periphery having a slot receiving said at least one winding;

wherein said winding assembly is mountable on said rotor and wherein said winding support further includes at least one spacer, having edges that engage slots on at least one surface of the rotor, and said slots are transverse to a centerline of the rotor, and

further wherein said winding assembly further comprises a locking bar engaging a notch on an edge of said at least one spacer, and said locking bar slidably engages with a locking slot on said surface of the rotor, wherein said locking slot is parallel to said centerline of the rotor.

7. (Previously Amended) A winding assembly as in claim 1 wherein said winding support comprises a plurality of winding supports distributed along opposite sides of said plurality of windings.

8. (Currently Amended) A winding assembly as in claim 7 wherein said opposite sides of said plurality of windings are mountable to encircle a rotor core section, said at least one surface of said rotor core includes opposite surfaces of the rotor core section, and said spacers are collectively engageable with both of said opposite surfaces of the rotor core section to secure the winding assembly to the rotor core section, wherein said windings extend beyond an end of the rotor core section.

9. (Allowed) A winding assembly mountable on a periphery of a rotor core comprising:

an array of field windings arranged in an array, each of said windings having a pair of opposite long sides, and a pair of opposite end sections, wherein said long sides are mountable proximate to opposite side of the rotor and said end sections are mountable proximate to opposite ends of a rotor;

a plurality of winding spacers supporting the long sides of said field windings, said winding spacers each having a first edge and a second edge,

wherein each of said first edges slidably engage a respective spacer slot on a first side surface of the rotor core, and each of said second edges engage a respective spacer slot on a second side surface of the rotor core.

10. (Allowed) A winding assembly as in claim 9 wherein the first surface of the rotor core is orthogonal to the second surface of the rotor core.

11. (Allowed) A winding assembly for a rotor core comprising:

an array of field windings arranged in an array, each of said windings having a pair of opposite long sides, and a pair of opposite end sections;

a plurality of winding spacers supporting the long sides of said field windings, said winding spacers each having a first edge and a second edge,

wherein each of said first edges slidably engage a respective spacer slot on a first surface of the rotor core, and each of said second edges engage a respective spacer slot on a second surface of the rotor core, and

wherein the first surface of the rotor core has a locking slot transverse to the spacer slots on the first surface, and said assembly further comprises a locking bar slidably engaging the locking slot.

12. (Allowed) A winding assembly as in claim 11 wherein said locking bar engages a notch on an edge of said at least one spacer, and said locking slot is parallel to a centerline of the rotor.

13. (Allowed) A winding assembly as in claim 9 wherein each of said plurality of rotor windings is seated in a respective slot of each spacer, and the spacer slots are radially aligned with the rotor core.

14. (Allowed) A winding assembly as in claim 9 wherein said plurality of windings are mountable to encircle a rotor core section, said at least one surface of said rotor core includes opposite surfaces of the rotor core section, and said spacers are collectively engageable with both of said opposite surfaces of the rotor core section to secure the winding assembly to the rotor core section, and wherein said end sections of the windings extend laterally beyond the rotor core.

15 to 17. (Cancelled)

18. (New) A winding assembly for a rotor having a cruciform cross-section, said assembly comprising:

a first rotor field winding mounted on a first winding support;

a second rotor field winding mounted on a second winding support,

wherein the first rotor field winding and first winding support are mountable on a first lateral peripheral side of the rotor and the second rotor field winding and second winding support are mountable on a second lateral peripheral side of the rotor.

19. (New) A winding assembly as in claim 18 wherein said cruciform cross-section of the rotor ahs a first ridge and third ridge, opposite to the first ridge, and a second ridge and a fourth ridge, opposite to the second ridge, and wherein aid first ridge extends radially through an aperture in the first rotor field winding and said third ridge extends radially through an aperture in the second rotor field winding.

20. (New) A winding assembly as in claim 19 wherein said second and third ridges separate the first and second rotor field windings.